

Division 3. Air Resources Board

Chapter 1. Motor Vehicle Pollution Control Devices

Article 2. Approval of Motor Vehicle Pollution Control Devices (New Vehicles)

§ 1960.1.5. Optional NOx Standards for 1983 and Later Model Passenger Cars, and Light-Duty Trucks and Medium-Duty Vehicles Less Than 4000 Lbs. Equivalent Inertia Weight (EIW) or 3751 Lbs. Loaded Vehicle Weight (LVW).

(a)(1) Notwithstanding any other provision of this chapter, a vehicle manufacturer may certify 1983 and later model vehicles to optional NOx standards except for vehicles certifying to TLEV, LEV, or ULEV standards as follows:

(A) Passenger cars--0.7 g/mi--1983 through 1988 model years.

LDT, MDV 0-3999 pounds EIW--1.0 g/mi--1983 through 1987 model years.

LDT, MDV 0-3750 lbs. LVW--1.0 g/mi--1988 model year.

(B) For the 1989 model year, each manufacturer may certify no more than 50 percent of its projected California model-year sales of passenger cars, light-duty trucks (0-3750 lbs. LVW), and medium-duty vehicles (0-3750 lbs. LVW) to the optional NOx standard as follows:

Passenger cars--0.7 g/mi

LDT, MDV 0-3750 lbs. LVW--1.0 g/mi

(C) 1989 through 1993 model-year passenger cars weighing more than 5250 lbs. LVW may be certified to the 0.7 g/mi NOx standard.

(D) For the 1990 through 1993 model years, a vehicle manufacturer may certify passenger cars, light-duty trucks (0-3750 lbs. LVW), and medium-duty vehicles (0-3750 lbs. LVW) to the optional 0.7 g/mi NOx standard subject to the following limitations:

For each model year, the total number of passenger cars (0-5250 lbs. LVW) each manufacturer may certify at 0.7 g/mi NOx shall be limited to a maximum of 10 percent of the total previous California model-year sales of these vehicles.

For each model year, the total number of light-duty trucks (0-3750 lbs. LVW) and medium-duty vehicles (0-3750 lbs. LVW) each manufacturer may certify at 0.7 g/mi NOx shall be limited to a maximum of 15 percent of the combined total previous California model-year sales of these vehicles.

For manufacturers certifying for the first time in California, "previous California model-year sales" shall mean projected California model-year sales.

(2) Notwithstanding any other provisions of this chapter, a small volume manufacturer may certify 1989 and later model vehicles to optional NOx standards except for vehicles certifying to TLEV, LEV, or ULEV standards as follows:

(A) Passenger cars--0.7 g/mi--1989 and 1990 model years.

LDT, MDV 0-3750 lbs. LVW--1.0 g/mi--1989 and 1990 model years.

(B) For the 1991 model year, each small volume manufacturer may certify no more than 50 percent of its projected California model-year sales of passenger cars, light-duty trucks (0-3750 lbs. LVW), and medium-duty vehicles (0-3750 lbs. LVW) to the optional NOx standards as follows:

Passenger cars--0.7 g/mi

LDT, MDV 0-3750 lbs. LVW--1.0 g/mi

(C) For the 1992 through 1995 model years, each small volume manufacturer may certify passenger cars, light-duty trucks (0-3750 lbs. LVW), and medium-duty vehicles (0-3750 lbs. LVW) to the optional 0.7 g/mi NOx standard subject to the following limitations:

For each model year, the total number of passenger cars (0-5250 lbs. LVW) each manufacturer may certify at 0.7 g/mi NOx shall be limited to a maximum of 10 percent of the total previous California model-year sales of these vehicles.

For each model year, the total number of light-duty trucks (0-3750 lbs. LVW) and medium-duty vehicles (0-3750 lbs. LVW) each manufacturer may certify at 0.7 g/mi NOx shall be limited to a maximum of 15 percent of the combined total previous California model-year sales of these vehicles.

For manufacturers certifying for the first time in California, "previous California model-year sales" shall mean projected California model-year sales.

Board Administration and Regulatory Coordination Unit

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(b) Testing of vehicles certified under this section shall be conducted in accordance with the California Exhaust Emission Test Procedures applicable to either 1981 through 1987 or 1988 and subsequent model passenger cars, light-duty trucks, and medium-duty vehicles certified to the primary California standards for 50,000 miles.

(c)(1) If, based on a review of information derived from a statistically valid and representative sample of vehicles, the Executive Officer determines that a substantial percentage of any class or category of vehicles certified under this section exhibits, prior to 75,000 miles or 7 years, whichever occurs first, an identifiable, systematic defect in a component listed in subsection (2) which causes a significant increase in emissions above those exhibited by vehicles free of such defects and of the same class or category and having the same period of use and mileage, then the Executive Officer may invoke the enforcement authority under Section 2109 to require remedial action by the vehicle manufacturer. Such remedial action shall be limited to owner notification and repair or replacement of the defective component. As used in this section, the term "defect" shall not include failures which are the result of abuse, neglect, or improper maintenance.

(2) Subsection (c)(1) shall apply to the following components unless subject to allowable scheduled maintenance prior to 75,000 miles or 7 years, whichever occurs first:

I. Air and Fuel Metering System

- A. Cold start enrichment
- B. Heat riser valve and assembly
- C. Controlled hot air intake

II. Exhaust Gas Recirculation (EGR) System

- A. EGR valve and control components, and carburetor spacer if applicable

III. Air Injection System

- A. Air pump
- B. Valves affecting distribution of flow
- C. Distribution manifold including connection to exhaust manifold

IV. Catalyst or Thermal Reactor System

- A. Catalytic converter and associated mounting hardware and constricted fuel filler neck
- B. Thermal reactor and lined or coated exhaust manifolds
- C. Exhaust portliner and/or double walled exhaust pipe

V. Evaporative Emission Control System

- A. Vapor storage canister
- B. Vapor-liquid separator

VI. Miscellaneous Items Used in Above Systems

- A. Vacuum, temperature, and time sensitive valves and switches

B. Electronic controls including computer or microprocessor and all input sensors except for the exhaust gas oxygen sensor

(d) Nothing in this section shall be construed as affecting in any way the manufacturer's 5 year/50,000 mile emission control systems defect warranty obligations existing under present statutes and regulations.

NOTE: Authority cited: Sections 39600, 39601, 43013 and 43101, Health and Safety Code. Reference: Sections 39002, 39003, 43000(d), 43013, 43100, 43101, 43101.5, 43104 and 43106, Health and Safety Code.

REFERENCES